

ABSTRACT

A method and an apparatus to control a motor includes calculating N control algorithms for respective controllers to correspond to N motor driving conditions, driving the motor under N motor driving environments by using at least one controller of the respective controllers, calculating performance indexes by using predetermined control factors which are detected when driving the motor using the at least one controller under the N motor driving environments, and storing the calculated N control algorithms for the respective controllers and the performance indexes corresponding to each of the N driving conditions. Accordingly, a motor driving controller optimum for driving environments is efficiently selected in a short time without wasting system resources.